

**American International University- Bangladesh**

**CSC 3215: Web Technologies**

**CO2 and CO4 Evaluation**

**Finished Project Report**

**Spring 2020-2021**

**Project Title: Property Management System**

**Section: I**

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**Project Description:**

Property management is the business of purchasing, selling, and renting land, buildings, and offices. Everyone wants their home to be in the best possible location, with all of the conveniences. Product units should be close to raw materials and the market, and offices should be close to the market. The Online Property Management System (OPMS) is a piece of software that manages all aspects of a real estate agency. The Property Management System was designed specifically for real estate firms.

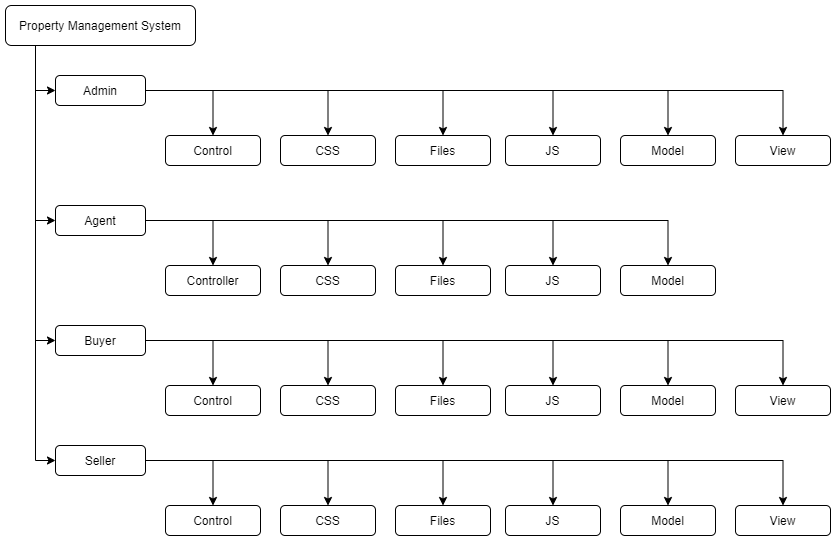
It's both strong and user-friendly, allowing for easy booking and account management. The Property Management System is a web-based application that can be accessed from any computer with internet access. The responsibilities of the property management system include renting out or selling the property. Properties include structures, retail places, houses, bungalows, and other real estate. Many people hunt for land for a number of reasons, such as residence, offices, and faculty. Everyone wants a home in the nicest neighborhood with the best features.

Offices should be positioned near a market to increase sales and productivity. People must visit with the agent in person to check property information and take a tour of the property. Finding the right property in the appropriate location takes a long time.

Grameen Property Ltd. Projects has developed a Property Management System to overcome this issue. From the convenience of your own home or wherever else, our online property management system can aid you in selecting the ideal property. People can buy or sell their dream property online with only a few clicks. Real estate agents can post homes for sale or rent, and customers can rent a property using this system.

This system is made up of two modules: Admin and User. The administrator can add information about the property. The administrator can also upload property adverts and keep track of the clients who have signed up. Users must first register before using their credentials to log in. Users can look at available properties for rent or purchase. He can save favorite properties to his favorites list and plan visits to the regions he's looked at.

**Project Folder Structure:**

****

**Core Modules of the Project:**

***db.php***

*<?php*

*class db*

*{*

*function OpenCon()*

*{*

*$dbhost = "localhost";*

*$dbuser = "root";*

*$dbpass = "";*

*$db = "pms";*

*$conn = new mysqli($dbhost, $dbuser, $dbpass, $db) or die("Connect failed: %s\n" . $conn->error);*

*return $conn;*

*}*

*function CheckUser($conn, $table, $username, $password)*

*{*

*$result = $conn->query("SELECT \* FROM " . $table . " WHERE username='" . $username . "' AND password='" . $password . "'");*

*return $result;*

*}*

*function AddAgent($conn, $table, $aFirstname, $aLastname, $aUsername, $aDob, $aGender, $aPhone, $aEmail, $aPassword, $aPhoto)*

*{*

*$result = $conn->query("INSERT INTO $table VALUES('','$aFirstname','$aLastname','$aUsername','$aDob','$aGender', '$aPhone', '$aEmail', '$aPassword', '$aPhoto')");*

*return $result;*

*}*

*function searchAgent($conn, $table, $a\_id)*

*{*

*$result = $conn->query("SELECT \* FROM " . $table . " WHERE a\_id='" . $a\_id . "'");*

*return $result;*

*}*

*function searchSeller($conn, $table, $s\_id)*

*{*

*$result = $conn->query("SELECT \* FROM " . $table . " WHERE s\_id='" . $s\_id . "'");*

*return $result;*

*}*

*function adminLogin($conn, $table, $ad\_id)*

*{*

*$result = $conn->query("SELECT \* FROM " . $table . " WHERE ad\_id='" . $ad\_id . "'");*

*return $result;*

*}*

*function adminPassChange($conn, $table, $ausername, $asecurityq, $pass)*

*{*

*$sql = $conn->query("UPDATE $table SET ad\_password='$pass' WHERE ad\_username='" . $ausername . "' AND ad\_securityQ='" . $asecurityq . "'");*

*if ($conn->query($sql) == TRUE) {*

*echo "Password Changed Successful";*

*$result = TRUE;*

*} else {*

*echo $sqlInfo;*

*$result = FALSE;*

*}*

*return $result;*

*}*

*function ShowAll($conn, $table)*

*{*

*$result = $conn->query("SELECT \* FROM $table");*

*return $result;*

*}*

*function agentDeleteId($conn, $table, $a\_id)*

*{*

*$result = $conn->query("DELETE FROM `agent` WHERE a\_id= $a\_id");*

*return $result;*

*}*

*function searchBoxBuyer($conn, $table)*

*{*

*$result = $conn->query("SELECT b\_firstname, b\_lastname FROM `buyer`");*

*return $result;*

*}*

*function sellerDeleteId($conn, $table, $s\_id)*

*{*

*$result = $conn->query("DELETE FROM `seller` WHERE s\_id= $s\_id");*

*return $result;*

*}*

*function buyerDeleteId($conn, $table, $b\_id)*

*{*

*$result = $conn->query("DELETE FROM `buyer` WHERE b\_id= $b\_id");*

*return $result;*

*}*

*function UpdateUser($conn, $table, $username, $fname, $lname, $dob, $gender, $phone, $email)*

*{*

*$sql = "UPDATE $table SET a\_firstname='$fname', a\_lastname='$lname', a\_dob = '$dob', a\_gender='$gender', a\_phone='$phone',a\_email='$email' WHERE a\_username='$username'";*

*if ($conn->query($sql) === TRUE) {*

*$result = TRUE;*

*} else {*

*$result = FALSE;*

*}*

*return $result;*

*}*

*function CloseCon($conn)*

*{*

*$conn->close();*

*}*

*}?>*

***agentFormCheck.php***

*<?php*

*include ('../model/db.php');*

*$fname = $lname = $username = $dob = $gender = $phone = $email = $pass = $msg = "";*

*$err\_fname = $err\_lname = $err\_username = $err\_dob = $err\_gender = $err\_phone = $err\_email = $err\_pass = $err\_file = "";*

*$hasError = false;*

*if (isset($\_POST["signup"]))*

*{*

*$fnameCheck = htmlspecialchars($\_POST["fname"]);*

*if (empty($fnameCheck))*

*{*

*$err\_fname = "First name required";*

*$hasError = true;*

*}*

*else if (!preg\_match('/^[a-zA-Z\s]+$/', $fnameCheck))*

*{*

*$err\_fname = "Enter a valid name";*

*$hasError = true;*

*}*

*else*

*{*

*$fname = $fnameCheck;*

*}*

*$lnameCheck = htmlspecialchars($\_POST["lname"]);*

*if (empty($lnameCheck))*

*{*

*$lname = $\_POST['lname'];*

*}*

*else if (!preg\_match('/^[a-zA-Z\s]+$/', $lnameCheck))*

*{*

*$err\_lname = "Enter a valid name";*

*$hasError = true;*

*}*

*else*

*{*

*$lname = $\_POST['lname'];*

*}*

*if (empty($\_POST["uname"]))*

*{*

*$err\_username = "Username required";*

*$hasError = true;*

*}*

*elseif (strlen($\_POST["uname"]) < 6)*

*{*

*$err\_username = "Username must be 6 characters long";*

*$hasError = true;*

*}*

*else*

*{*

*$username = htmlspecialchars($\_POST["uname"]);*

*}*

*if (empty($\_POST["dob"]))*

*{*

*$err\_dob = "Date of birth required";*

*$hasError = true;*

*}*

*else*

*{*

*$dob = ($\_POST["dob"]);*

*}*

*if (empty($\_POST["gender"]))*

*{*

*$err\_gender = "Gender required";*

*$hasError = true;*

*}*

*else*

*{*

*$gender = ($\_POST["gender"]);*

*}*

*$phoneCheck = htmlspecialchars($\_POST["phone"]);*

*if (empty($phoneCheck))*

*{*

*$err\_phone = "Phone number required";*

*$hasError = true;*

*}*

*else if (!preg\_match('/^[0-9]\*$/', $phoneCheck))*

*{*

*$err\_phone = "Enter a valid phone number";*

*$hasError = true;*

*}*

*else if (strlen($phoneCheck) > 11)*

*{*

*$err\_phone = "Phone number not more then 11 digit";*

*$hasError = true;*

*}*

*else*

*{*

*$phone = $phoneCheck;*

*}*

*if (empty($\_POST["email"]) || !preg\_match("/^([a-z0-9\+\_\-]+)(\.[a-z0-9\+\_\-]+)\*@([a-z0-9\-]+\.)+[a-z]{2,6}$/ix", $\_POST["email"]))*

*{*

*$err\_email = "Provide a valid email";*

*$hasError = true;*

*}*

*else*

*{*

*$email = htmlspecialchars($\_POST["email"]);*

*}*

*$passCheck = htmlspecialchars($\_POST['pass']);*

*$number = preg\_match('@[0-9]@', $passCheck);*

*$uppercase = preg\_match('@[A-Z]@', $passCheck);*

*$lowercase = preg\_match('@[a-z]@', $passCheck);*

*if (strlen($passCheck) < 6 || !$number || !$uppercase || !$lowercase)*

*{*

*$err\_pass = "Password must be 6 characters<br>Must be use [(0-9), (A-Z), (a-z)]";*

*$hasError = true;*

*}*

*else*

*{*

*$pass = $passCheck;*

*}*

*$target\_file = "../files/" . $\_FILES["aImage"]["name"];*

*if (is\_uploaded\_file($\_FILES['aImage']['tmp\_name']))*

*{*

*move\_uploaded\_file($\_FILES["aImage"]["tmp\_name"], $target\_file);*

*}*

*else*

*{*

*$err\_file = "You have to upload a Photo";*

*$hasError = true;*

*}*

*if (!$hasError)*

*{*

*//include "../readWriteData/agentDataWrite.php";*

*$connection = new db();*

*$conobj = $connection->OpenCon();*

*$userQuery = $connection->AddAgent($conobj, "agent", $fname, $lname, $username, $dob, $gender, $phone, $email, $pass, $target\_file);*

*$connection->CloseCon($conobj);*

*$msg = "Data Inserted Successfully";*

*}*

*}*

*if (isset($\_POST["sellerSignup"]))*

*{*

*$fnameCheck = htmlspecialchars($\_POST["fname"]);*

*if (empty($fnameCheck))*

*{*

*$err\_fname = "First name required";*

*$hasError = true;*

*}*

*else if (!preg\_match('/^[a-zA-Z\s]+$/', $fnameCheck))*

*{*

*$err\_fname = "Enter a valid name";*

*$hasError = true;*

*}*

*else*

*{*

*$fname = $fnameCheck;*

*}*

*$lnameCheck = htmlspecialchars($\_POST["lname"]);*

*if (empty($lnameCheck))*

*{*

*$lname = $\_POST['lname'];*

*}*

*else if (!preg\_match('/^[a-zA-Z\s]+$/', $lnameCheck))*

*{*

*$err\_lname = "Enter a valid name";*

*$hasError = true;*

*}*

*else*

*{*

*$lname = $\_POST['lname'];*

*}*

*if (empty($\_POST["uname"]))*

*{*

*$err\_username = "Username required";*

*$hasError = true;*

*}*

*elseif (strlen($\_POST["uname"]) < 6)*

*{*

*$err\_username = "Username must be 6 characters long";*

*$hasError = true;*

*}*

*else*

*{*

*$username = htmlspecialchars($\_POST["uname"]);*

*}*

*if (empty($\_POST["dob"]))*

*{*

*$err\_dob = "Date of birth required";*

*$hasError = true;*

*}*

*else*

*{*

*$dob = ($\_POST["dob"]);*

*}*

*if (empty($\_POST["gender"]))*

*{*

*$err\_gender = "Gender required";*

*$hasError = true;*

*}*

*else*

*{*

*$gender = ($\_POST["gender"]);*

*}*

*$phoneCheck = htmlspecialchars($\_POST["phone"]);*

*if (empty($phoneCheck))*

*{*

*$err\_phone = "Phone number required";*

*$hasError = true;*

*}*

*else if (!preg\_match('/^[0-9]\*$/', $phoneCheck))*

*{*

*$err\_phone = "Enter a valid phone number";*

*$hasError = true;*

*}*

*else if (strlen($phoneCheck) > 11)*

*{*

*$err\_phone = "Phone number not more then 11 digit";*

*$hasError = true;*

*}*

*else*

*{*

*$phone = $phoneCheck;*

*}*

*if (empty($\_POST["email"]) || !preg\_match("/^([a-z0-9\+\_\-]+)(\.[a-z0-9\+\_\-]+)\*@([a-z0-9\-]+\.)+[a-z]{2,6}$/ix", $\_POST["email"]))*

*{*

*$err\_email = "Provide a valid email";*

*$hasError = true;*

*}*

*else*

*{*

*$email = htmlspecialchars($\_POST["email"]);*

*}*

*$passCheck = htmlspecialchars($\_POST['pass']);*

*$number = preg\_match('@[0-9]@', $passCheck);*

*$uppercase = preg\_match('@[A-Z]@', $passCheck);*

*$lowercase = preg\_match('@[a-z]@', $passCheck);*

*if (strlen($passCheck) < 6 || !$number || !$uppercase || !$lowercase)*

*{*

*$err\_pass = "Password must be 6 characters<br>Must be use [(0-9), (A-Z), (a-z)]";*

*$hasError = true;*

*}*

*else*

*{*

*$pass = $passCheck;*

*}*

*$target\_file = "../files/" . $\_FILES["aImage"]["name"];*

*if (is\_uploaded\_file($\_FILES['aImage']['tmp\_name']))*

*{*

*move\_uploaded\_file($\_FILES["aImage"]["tmp\_name"], $target\_file);*

*}*

*else*

*{*

*$err\_file = "You have to upload a Photo";*

*$hasError = true;*

*}*

*if (!$hasError)*

*{*

*//include "../readWriteData/agentDataWrite.php";*

*$connection = new db();*

*$conobj = $connection->OpenCon();*

*$userQuery = $connection->AddAgent($conobj, "seller", $fname, $lname, $username, $dob, $gender, $phone, $email, $pass, $target\_file);*

*$connection->CloseCon($conobj);*

*$msg = "Data Inserted Successfully";*

*}*

*}*

*?>*

***aLoginCheck.php***

*<?php*

*session\_start();*

*include "../model/db.php";*

*$uname=$pass="";*

*$error="";*

*$sinfo="";*

*if (isset($\_POST['submit'])) {*

*$ad\_id= "1";*

*$connection = new db();*

*$conobj=$connection->OpenCon();*

*$userQuery=$connection->adminLogin($conobj,"admin",$ad\_id);*

*while($row = $userQuery->fetch\_assoc()) {*

*$username = $row["ad\_username"];*

*$pass=$row["ad\_password"];*

*}*

*if(!empty($\_POST['username']) || !empty($\_POST['password'])){*

*if (($\_POST['username']== $username) && ($\_POST['password']== $pass)) {*

*$\_SESSION["username"] = $\_POST['username'];*

*$\_SESSION["password"] = $\_POST['password'];*

*}*

*else*

*{*

*$error = "Username or Password is invalid";*

*}*

*}*

*else{*

*$error = "Please enter a valid username and password";*

*}*

*}*

*if (isset($\_POST['confirm'])) {*

*if($\_POST['npass'] == $\_POST['cnpass']){*

*$pass = $\_POST['cnpass'];*

*$ausername= $\_POST['username'];*

*$asecurityq= $\_POST['securityQ'];*

*$connection = new db();*

*$conobj=$connection->OpenCon();*

*$userQuery=$connection->adminPassChange($conobj,"admin",$ausername,$asecurityq, $pass);*

*}else{*

*$sinfo = "Password doesn't match";*

*}*

*}*

*?>*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CO2 and CO4 Evaluation: Project Report Evaluation** | | | | | |
| **Completeness**  **(5)** | **Validation**  **(5)** | **Feature Implementation**  **(5)** | **Concept Understanding**  **(5)** | **Promptness (5)** | **Total (25)** |
|  |  |  |  |  |  |
|  | | | | | |